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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
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09/495,947 02/02/00 COLEMAN

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EXAMINER

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ART UNIT

PAPER NUMBER

1633

DATE MAILED:

02/28/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

|                              |                 |                |
|------------------------------|-----------------|----------------|
| <b>Office Action Summary</b> | Application No. | Applicant(s)   |
|                              | 09/495,947      | COLEMAN ET AL. |
| Examiner                     | Art Unit        |                |
| Christopher Drabik           | 1633            |                |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on \_\_\_\_\_.

2a) This action is **FINAL**.                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-23 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) \_\_\_\_\_ is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claims 1-23 are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved.

12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. § 119**

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

**Attachment(s)**

|   |  |
|---|--|
| 15) <input type="checkbox"/> Notice of References Cited (PTO-892)                             | 18) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 16) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 19) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 17) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 20) <input type="checkbox"/> Other: _____                                    |

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- II. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- III. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and

said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- IV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- V. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

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composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- VI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- VII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- VIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising

nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- IX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- X. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

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composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- XI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- XII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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- XIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- XIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- XV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group

defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- XVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- XVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and

said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- XXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- XXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group

defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA-viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group

defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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XXXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the

specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XXXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a

nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- XL. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- XLI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and

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said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

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composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsDNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XLIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

L. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group

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defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- LII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- LIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- LIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- LV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- LVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group

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defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LVII Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- LIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- LX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- LXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and

said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- LXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- LXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using

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said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using

LXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using

LXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and

said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using

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said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as ssRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten

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from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten

from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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LXXXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the

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specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing

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nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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LXXXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

LXXXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XC. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and

said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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XCV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as dsRNA viruses said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten

from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

XCIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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- C. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- CI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- CII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten

from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- CIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- CIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the

specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing

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nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- CX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- CXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the

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specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using

said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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CXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as intracellular parasites said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined

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as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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CXXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising

nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

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composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group

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defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group III in the specification and

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said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXXXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXL. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a

method of processing nucleocapsid monomers using said composition,  
classifiable in class 514, subclass 2.

CXLI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as fungi said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group

defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXLIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CL. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group

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defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

- CLI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.
- CLII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and

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said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using

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said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group

defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group II in the specification and

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said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as bacteria said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

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composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXX Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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CLXXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsDNA viruses, a method of delivering a nucleic acid using

said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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CLXXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as ssRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group

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defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as dsRNA viruses, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXXI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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CLXXXII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXXIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as intracellular parasites, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXXIV. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and

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said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXXV. Claim 1-23, drawn to a nucleocapsid composition comprising a first

hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXXVI. Claim 1-23, drawn to a nucleocapsid composition comprising a first

hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as fungi, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said

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composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXXVII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CLXXXVIII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

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CLXXXIX. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as bacteria, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXC. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group I in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXCI. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group II in the specification and said composition optionally comprising a second hapten from a group defined

as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

CXCII. Claim 1-23, drawn to a nucleocapsid composition comprising a first hapten from a group defined as cancer said composition also comprising nucleic acids from the group disclosed as group III in the specification and said composition optionally comprising a second hapten from a group defined as cancer, a method of delivering a nucleic acid using said composition, a method of eliciting an immune response using said composition and a method of processing nucleocapsid monomers using said composition, classifiable in class 514, subclass 2.

The inventions are distinct, each from the other because:

Inventions I - CXCII are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions comprise biochemically distinct entities each having different effects and different functions. Each restriction group is unique from all other restriction groups in that the combination of haptens and nucleic acids differ

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resulting in distinct products which are not disclosed as useable together. The differing combination of these elements can have differing results either in immunogenic response or in the effect derived from the delivery of a specific group of nucleic acids, or both.

In one embodiment of the invention the envisioned result is an immunogenic response stimulated by nucleocapsid haptens. This immunogenic response can be distinct for each hapten or pair of haptens. The antibodies produced in response to an antigenic determinant from a ssRNA virus will be significantly different from those produced in response to a bacterial antigen. The designation of an antigenic determinant as a first or second hapten can also have a unique immunogenic response. For example, two distinct nucleocapsid structures may have the same pair of differing antigenic determinants designated as haptens. However, the antigenic determinants may have different hapten designations i.e. in nucleocapsid A the first hapten is from a ssRNA virus and the second hapten is from a dsDNA virus, whereas, in nucleocapsid B the first hapten is from dsDNA and the second hapten is from ssRNA. In this instance the structural relation of the two haptens in the two different nucleocapsid structures can vary and hence elicit different antibody responses. Even in the circumstance where two haptens are identical, unless their placement is exactly symmetric, a unique immune response can be envisioned.

A second envisioned embodiment of the invention(s) as claimed is as a means for delivering nucleic acids that can elicit an immune response. The applicants have chosen groups of nucleic acids directed at stimulating three distinct types of immune

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response. The first nucleic acid group (SEQ ID's 3-5) is directed at stimulating cytokine production, the second group (SEQ ID's 6-12) is directed at stimulating natural killer cell lytic activity and the third group (SEQ ID's 13-19) is intended to stimulate B cell proliferation. For each group of nucleic acids, therefore, the desired effects as claimed are admittedly different.

For each permutation of hapten pair and nucleic acid group, differing immune responses can occur and differing levels of efficiency of nucleic acid delivery will be achieved. In conclusion, each group represents a distinct product that differ in structure and function.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Drabik whose telephone number is 703-605-1156. The examiner can normally be reached on Monday-Friday from 9am to 5pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Deborah Clark, can be reached on 703- 305-4051. The fax phone number for the organization where this application or proceeding is assigned is 703-308-4242.

Inquiries of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1234. Questions regarding review of formality issues may be directed to Kim Davis, the patent analyst assisting in this application. She may be reached at 703-305-3015.

  
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